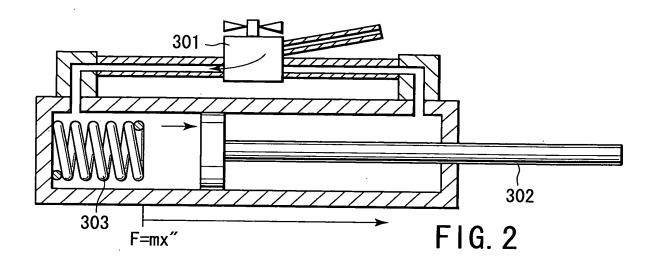
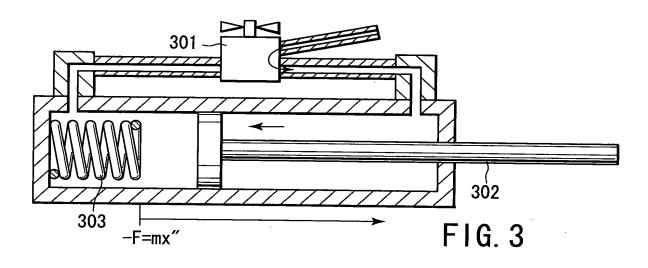


F16.





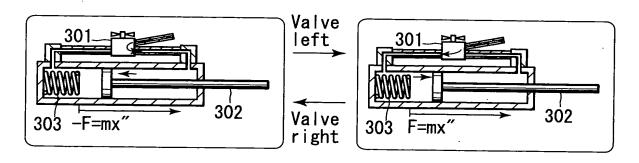
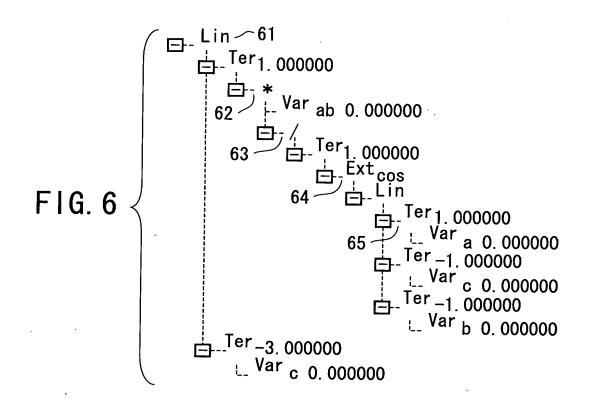


FIG. 4

```
#define m 1
L1
L2
     #define f 100
L3
     Right, ev1
                       ev2
                                         eq1
    wait 50 do Left, ev3
L4
    always if Left then do always F=m*x" watching Right,
    always if Right then do always -F=m * x"
L6
                                                watching Left.
L7
    sample (x).
                                        eq2
    x=0, x'=0,
L8
L9
    module"C"
L10
L11
      int cPrint (int num)
L12
         FILE* fp=fopen("log.txt", "a");
L13
         fprintf (fp, "%d", num);
L14
L15
         fclose(fp);
L16
L17
L18
      int cPrint (int num),
      wait 100 do E, ev5
L19
L20
      prosess(E) {
L21
          cPrint(x);
L23
```

FIG. 5



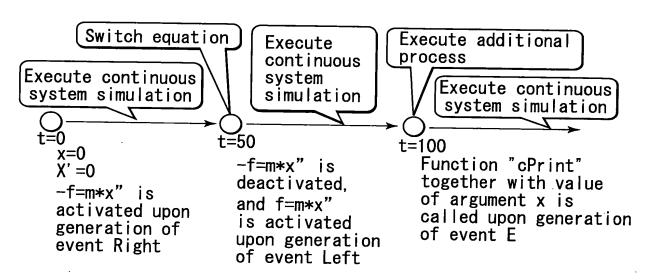


FIG. 8

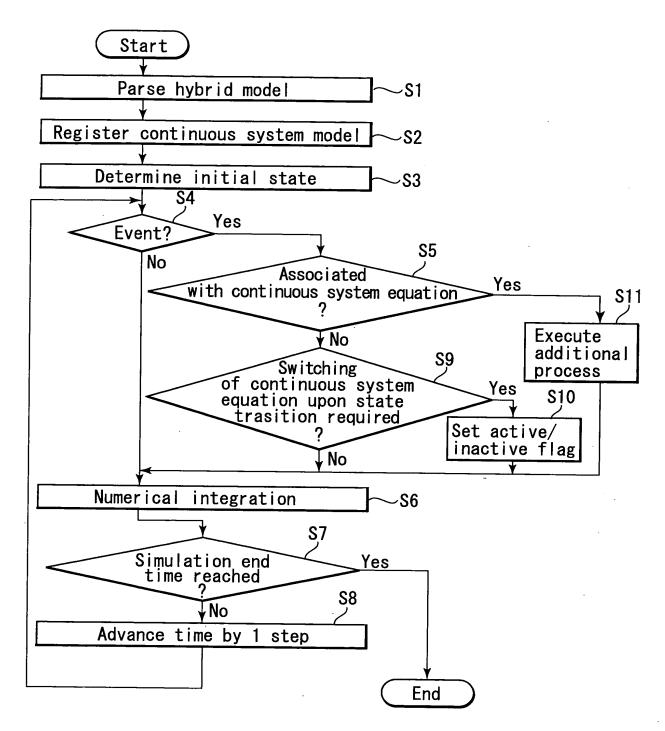
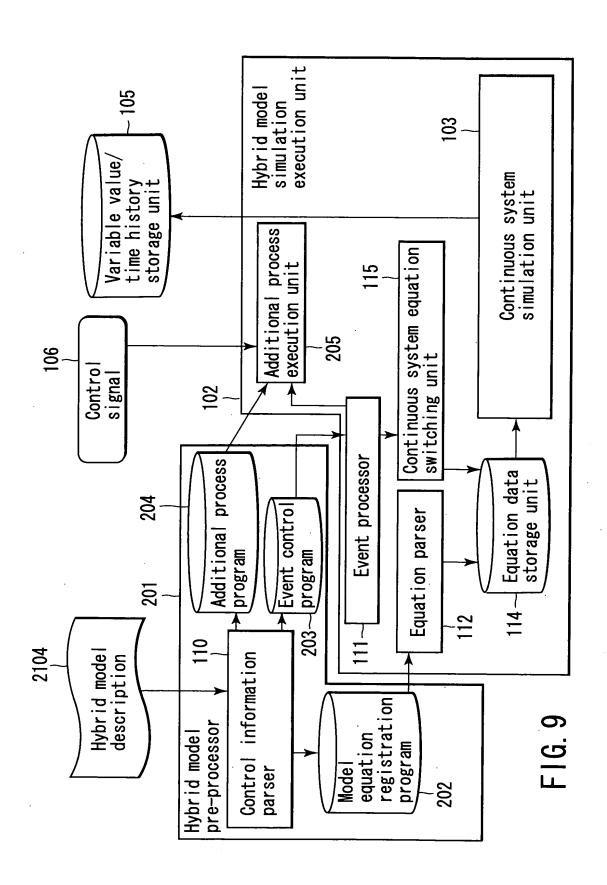


FIG. 7



```
#define m 1
2
    #define f 100
3
    Right.
4
    wait 50 do Left.
5
    always if Left then do always F=m*x" watching Right,
    always if Right then do always -F=m*x" watching Left,
6
7
    sample(x),
8
    x=0, x'=0,
9
    module "C"
10
11
       int setDataToCtrl( int num, int data )
12
13
        outport (num, data);
14
15
      int getDataFromCtrl( int num )
16
17
        return inport(num);
18
     }.
19
     int setDataToCtrl( int num, int data ),
20
21
     int getDataFromCtrl( int num ).
22
     wait 100 do E1, wait 150 do E2,
23
     process(E1) {
24
       setDataToCtrl( 1, x )
25
     },
26
     process(E2) {
27
       x=getDataFromCtrl( 1 )
28
```

FIG. 10

